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SLA R-1221

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(DC-6558)

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24 pp.

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Sci - Electron
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Modifications of Beryllium and Iron In
Films Condensed onto Cold Substrates, by
B. G. Lazarev, E. E. Semenenko, A. I. Sudoytsov,
3 pp.

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Plastic Deformation of Iron in the $\alpha \rightarrow \delta$
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Full translation.

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pp 345-347.

AEC Tr 1398

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Scientific - Physics, Tin, magnetic field

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(DC-1840)

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THE AID OF FIBER OPTICS. [1963] 6p.
Order from ATS \$10.50

ATS-75Q68R

Trans. of Tekhnika Kino i Televid[eniya] (USSR) 1961,
v. 5, no. 5, p. 23-27.

DESCRIPTORS: *Fiber optics, *Television display
systems, Television receivers.

(Engineering--Electronic, TT, v. 10, no. 3)

63-17357

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- III. Associated Technical
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figs. available on loan from OTS

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DESCRIPTORS: Morphology (Biology), *Spinal column,
Head, Skeleton, *Musculoskeletal system, Joints
(Physiology), *Adaptation (Physiology), *Exercise,
Recreation.

(Biological Sciences--Physiology, TT, v. 11, no. 8)

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Navy/ONI 5114760

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Sie, P. and Caillat, R.
VALENCES OF RADIOPHOSPHORUS OBTAINED BY
NEUTRON IRRADIATION OF COLORED AND DE-
COLORIZED NaCl CRYSTALS, tr. by Bertha P.
Klenova. 1 Nov 50, 2p, 1 ref. TVA 2965.
Order from OTS or SLA \$1.10 62-32248

Trans. of [Academie des Sciences, Paris], Comptes
Rendus (France) 1950, v. 230, p. 1864-1865 (pub. by
Gauthier-Villars et Cie, Paris).

DESCRIPTORS: *Radiochemistry, Radioactive isotopes,
*Phosphorus, *Valence, Neutrons, *Crystals, Sodium
compounds, Chlorides.

The proportion of the P⁺⁺⁺ and P⁺⁺⁺⁺ valences varies
depending upon whether NaCl is irradiated by neutrons
and treated before or after decolorization. Thus on the
(Chemistry--Physical, TT, v. 9, no. 1) (over)

- I. Sie, P.
- II. Caillat, R.
- III. TVA-2965
- IV. Tennessee Valley Authority,
Wilson Dam, Ala.
- V. 60-23258 canceled

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0.1 ppm, by J. Pauly and P. Sue, 3 pp.

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11, 11 Mar 1957, pp 1505-1507.

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Study of the Purification of a Salt by
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active Indicators, by P. Sue, J. Pauly and
A. Nauaille, 5 pp.

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No 9, 25 Feb 1957, pp 1212-1214.

AC 61-12116 BLA 57-3170

Sci

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Chemical Action on Some Organic Iodides of Various
Radiations and Their Eventual Determination by the
Amount of Iodine Liberated, by Pierre Sue, Einar Saeland
7 pp.

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AEC Tr 1874

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Electromigration on Paper, by Andre Bonnin,
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Aug 55

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Plastic Deformation of Silver Single Crystals at *83*
High Temperatures, by Siegfried Siehler, Kurt
Lönche, 50 pp.
CHAPMAN, per, Zeitschrift für Metallkunde, 9226950,
Vol IV, 1964, pp 331-342.
AIC 201-tr-185

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Siegfried Siehler

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Process for Preparation of Acrylonitrile
Polymers, by C. Suelling, H. Groene.
BELGIAN, Patent 614,132.
NRC 69-15605-III

C. Suelling

Sci-Materials
Dec 69

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Suenaga, Makoto.

STUDIES ON THE INOCULATION OF CAST IRON,
INCLUDING ALLOY CAST IRON. [1963] [8p] (foreign
text included)

Order from SLA \$1.10

TT-64-10550

Trans. of Imono (Japan) 1958, v. 30, no. 4, p. 247-249.
(Abstract available)

DESCRIPTORS: *Iron alloys, *Castings, *Additives,
Graphite, Microstructure, Carbon, Silicon, Melting,
Temperature,

The highest melting temperature has the greatest in-
fluence upon the effect of inoculation and the best inoc-
ulation effect is obtained when the highest melting tem-
perature employed is 1600°C. When the highest melt-
ing temperature remains the same, the higher the in-
oculation and casting temperatures, the greater the
(Metallurgy--Ferrous Metals, TT, v. 11, no. 5) (over)

TT-64-10550

1. Title: Inoculation
I. Suenaga, M.

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RESEARCH IN THE FIELD OF THE NATURE OF
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BY T. N. SUMAROKOVA, 12 PP.

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AEC-tr-4482(p.59-72) Uncl.

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*Second Japan Conference on
Radioisotopes, Oct 1958*

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Coefficients of Mutual Diffusion of Some Gases
Measured by Optical Method, by P. E. Suemin,
B. A. Ivakin, 3 pp.

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1961, pp 499-501.

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Sueoka, Yoichi.

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Order from OTS or SLA \$1.10

63-16317

Trans. of Japanese patent publication 16,848/1962, pub. 18 Oct 62, appl. 28 Sep 60 as 59497/1960, by Toyo Bosulfu Seizo Co., Ltd.

DESCRIPTORS: *Polyvinyl chloride, Surfaces, *Coatings, Porous materials, *Nylon coatings, Adhesives, Synthetic rubber, Phenolic plastics.

The patent involves a method of surface treatment of vinyl chloride resin with porous nylon by painting the fundamental material of vinyl chloride with the first paste layer consisting of the solution of hardening acryl synthetic rubber, then painting, and forming the second paste layer consisting of the nylon solution con- (Materials--Plastics, TT, v. 10, no. 7) (over)

63-16317

I. Sueoka, Y.
II. Patent (Japan) pub.
37-16 848

1247376

Office of Technical Services

Sueptitz, P.

THE PROPERTIES OF PHOTOELECTRONS IN
SILVER CHLORIDE AT ROOM TEMPERATURE.

[1962] 15p. (figs. omitted) 10 refs.

Order from SLA \$1.60

62-16476

Trans. of Zeitschrift für Physik (West Germany)
1958, v. 153, p. 174-185.

DESCRIPTORS: *Silver compounds, Chlorides,
*Single crystals, Electrons, Drift, Photoelectric
effect.

Silver chloride crystals with a different history were
tested with an impulse technique, utilizing the print-
out effect, to determine the drift mobility and the
mean life span of photoelectrons. The life span of the
electrons proved to be depending to a great extent on
the history of the crystals. In the most carefully pre-
pared crystals it was less than 10^{-7} sec.; in crystals
(Physics--Solid State, TT, v. 8, no. 10) (over)

62-16476

I. Sueptitz, P.

0226254

Office of Technical Services

Isotope Exchange Equilibria, by H. E. Suess, 8 pp.

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pp 19-24, (NP-2392).

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Jensen, 11 pp.

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AEC Tr 1200

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Scientific - Physics

On the Recording Equipment Taking a Count of
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pp 73-81.

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May 61

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Measurement of the Transport Velocity of a Gas by
an Ion Tracing Method, by P. E. Suetin, G. T.
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pp 111-113.

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Heat and Mass Transfer, Volume I, Thermophysical
Characteristics of Materials and Methods for
Their Determination. Optical Method for Measuring
Reciprocal Diffusion Coefficients of Gases,
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201 - Phys

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Ignitron JS 200/2, by T. A. ^eSuxtin, 6 pp.

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Influence of the Electric Circuit on Oscillations
in the AEC Discharge at Low Pressure, by T. A.
Suetin, 9 pp.

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AEC Tr 2621

Eol - Electricity, physics
Nov 56 CIB

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Mushrooms in the Field of Long Wave X-rays,
by V. Ya. Brodskiy, I. A. Suetina, 3 pp.

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1960, pp 439-442.

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Brodskiy, I. A. Suetina, 9 pp.

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pp 92-100.

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Sci - Med
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October-December 1953, by S. V. Sustov.
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Fundamental Problems of the Theory of Climate, by
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Gidrom, 1960, pp 96-106.
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M.E. SVETS

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The Marseilles-Algiers Hookup by Submarine Telephone Cable, by R. Seaur, 55 pp.

FRENCH, per, l'Onde Electrique, VolXXXVIII, No 372, 1958, pp 166-183.

SIA 59-10872

Sci - Engr
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Vol 2, No 1

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Ice Conditions of the Danube River (Bulgaria), by
V. Stets, 7 pp.

BULGARIA: per. Khidrologiya i Meteorologiya, No 1,
Sofia, 30 Mar 1958, pp 55-60.

US JPRS/NY-L-443

EUR - Bulgaria

Geo - Hydrology and meteorology

17 Nov 58

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Suez, Bernard P. and Wuhrmann, Jean J.
SPECTROSCOPIC STUDY OF COMPLEXES FORMED
BY LEWIS ACIDS. IV. INFRARED ABSORPTION
SPECTRUM OF ADDITION COMPOUNDS OF ALUMI-
NUM CHLORIDE WITH ACETYL AND MESITOYL
CHLORIDES (Etude Spectroscopique des Complexes
Formes par les Acides de Lewis. IV. Spectre
d'absorption Infra-rouge des Composés d'addition du
Chlorure d'Aluminium avec les Chlorures d'Acétyle
et de Mésitoyle). [1960] [15]p. 39 refs.
Order from SLA ml\$2.40, ph\$3.30 61-10482

Trans. of Helv[etica] Chm[ica] Acta (Switzerland)
1957, v. 40 [no. 4] p. 971-980.

The authors describe the preparation of addition com-
pounds of acetyl and mesitoyl chlorides with Al_2Cl_6
obtained in the form of almost colorless solids whose
infrared spectrum has been determined. The absence
in these spectra of the frequencies $\nu(C=O)$ (1802 and
1775 cm^{-1}), and $\nu(C-Cl)$ (593 and 613 cm^{-1}) as well as
(Physics--Spectroscopy, TT, v. 5, no. 6) (over)

1. Complex compounds--
Spectrographic analysis
2. Chlorides--Spectra
3. Title: Lewis acids
1. Suez, B. P.
- II. Wuhrmann, J. J.
- III. Title: Infrared...

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340 KV Accelerator Designed for the Study of
Reactions Induced by Tritons, by D. Magnac-
Valette, M. Suffert, M. Liesa, P. Guer, 4 pp.

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Sci - Phys

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(NY-3773)

Experiences With the Working Methods of the Standing
Councils and Secretariat, and the Role of the
Secretary and the Deputy Secretary, by S. A. Sufjan,
6 pp.

INDONESIAN, per, Kehidupan Partai, No 1-3, 1958,
pp 6-8.

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FE - Indonesia

Pol

Jun 60

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Bucharest's Claim To Bessarabia is Supported by
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GERMAN, np, Koelnische Rundschau, ~~XXXXXXXXXX~~ Cologne,
23 Jul 1964.

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EEur - Soviet Bloc,
FE - China
Pol
Dec 64

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Thermal Analysis, by Hiroshi Suga, Shuzo Seki,
8 pp.

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pp 47R-50R.

AEC-tr-5929

Sci-Phys

Sep 63

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Suga, K. and Watanabe, S.
REACTION OF SOME ALIPHATIC UNSATURATED
HYDROCARBONS WITH FORMALDEHYDE. [1963] 24p
Order from K-II \$24.00 K-II 12557 a

Trans. of Nihon Kagaku Zasshi (Japan) 1962, v. 83,
no. 10, p. 1142-1147.

DESCRIPTORS: *Formaldehyde, *Aliphatic compounds,
Hydrocarbons, Chemical reactions.

(Chemistry--Organic, TT, v. 10, no. 10)

63-22479

- I. Suga, K.
- II. Watanabe, S.
- III. K-II-12557-a
- IV. Kresge-Hooker Science
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Detroit, Mich.

1252361

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A Study of Light as Affected by Snow Cover, by
Taro Suga, 4 pp. UNCLASSIFIED

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PP1-4, CIA D 450444.
Defence Sci Info Sv;
DRB Canada, T 23 J

Scientific - Physics, snow, ultraviolet

1209238

~~SEA 115373~~

AF 440331

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CTR 135

S.L.A. 44 2337

Studies on the Reflection of Light From the Snow Surface, by Taro Suga, 6 pp.

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Sci - Geophysics

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Comparative Research on Non-Specific Pharmacodynamics on Neuroplegic Drugs, ~~NY 14100~~ by
S. Simionescu-Carapancea, M. Corneanu,
Gh. Sugaciu, 16 pp.

ROMANIAN, per, Studii si Cercetari de Fiziologie,
Vol V, No 2, 1960, pp 355-367.

JPRS 9643

Sci - Med
Aug 61

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Sugahara, Mitsuji and Iwasaki, Taizo.
LOW GRADE FUEL FIRING IN THE CYCLONE
FURNACE. [1963] 24p. (figs. omitted) 8 refs.
Order from SLA \$2.60 63-16219

Trans. of Nenryo Kyokai-Shi (Japan) 1959, v. 38,
no. 386, p. 361-373.

DESCRIPTORS: *Fuels, *Coal, *Cyclone furnaces,
*Combustion, Slags, Ash, Effectiveness, Design,
Economics.

The paper is devoted to the comprehensive discussion
of economical methods of firing low grade coal by
means of the cyclone, with special reference to the
raising of the firing temperature, the lowering of the
slag fusion temperature, etc. by a mixture of good
grade coal, an addition of lime stones and heat
recovery of the slag and the effective utilization of the
slag as problems surrounding the use of low grade coal
(Materials--Fuels, TT, v. 10, no. 4)

63-16219

I. Sugahara, M.
II. Iwasaki, T.

Office of Technical Services

NCH-202 224

Field 13J

Sugai, K.
ON VIBRATORY FORCES INDUCED ON THE RUDDER
BEHIND A PROPELLER. 14 Sep 65. BSRA-2168.
Order from BSRA: L5 BSRA-2168

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Association
London (England)

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On the Maneuverability of the High Speed Boat,
by Kameo Renshi, 26 pp.
JAPANESE, rpt. No 7, 1944.
Naval Tr 3931/Buildings 648

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Thermal Expansion Coefficient, Rigidity Modulus
and Its Temperature Coefficient of Alloys of
Iron, Nickel, Cobalt and Chromium (II), Rigidity
Modulus and Its Temperature Coefficient and
Relation Between Coelinvar and Elinvar, ~~Expt~~ by
Hakaru Masumoto, Hideo Saito, Yutaka Sugai, 5 pp.
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Metals, Vol XIX, No 8, 1955, Encl to IR 4872-56,
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AF 1051408

Sci - Min/Metals
Jan 57 CTS

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(NY-1840)

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BY D. SUGAK, 3 PP.

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JPRS 14842

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from Basic Electric and Acid Open-Hearth
Furnaces, Also of a 20-ton Vacuum-Cast
Ingot, by G. Sugano.
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No 11, 1964, pp 1770-1772.
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G. Sugano

Sci-Mat
June 69

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Color and Magnetism: Transition Metal Ions in
Crystals, by Satoru Sugano, 24 p.

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SLA 59-17796

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Apr 60

Vol III, No 2

113,622

Statistical Dimension Analysis of Geologic
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